

I Claim: 1. A paint roller cover cleaning tool adapted for use in cleaning paint roller covers by conveniently connecting them to commonly used hand held electric drills for cleaning them by spinning comprising: a shaft having two ends, said shaft threaded at a first end, a roller cover support means adapted to support a conventional tubular paint roller cover thereon mounted on said shaft and extending axially there along, a protuberance means located on said shaft at a distance from said first end which is greater than the axial length of said roller cover support means, and a compressing means on said threaded end of said shaft forcing said roller cover support means into frictional engagement with said protuberance means for coupling said roller cover support means to said shaft for rotation therewith when said second end of said shaft is connected to an electric drill.

2. A Paint roller cover cleaner tool as in claim 1 and further including a guide sleeve loosely slipped over the shaft between the roller cover support means and the second end of the shaft and held in place by a retaining means.

DETAILED DESCRIPTION OF THE DRAWINGS

The preferred embodiment of the invention consists of a shaft 1, threaded at one end 2, and having a protuberance 3, located on the shaft 1, at a distance from the threaded end 2, which distance is slightly greater than the length of the roller cover to be cleaned. This protuberance can preferably be in a form of a pair of stamped "ears". A cylindrical paint roller cover support 4, is held in place between two washers 5, and 6, by a nut 7, which forces the cylindrical paint roller cover support 4, against the protuberance 3, and couples the cover support 4, to the shaft 1, by compressing the cover support 4, into frictional engagement between the protuberance 3, the washers 5, and 6, and the nut 7, . The roller cover support is preferably a standard paint roller of conventional construction. I have illustrated a roller of a "cage" or open wire type construction, but other types of conventional construction can be used. If desired, the nut 7, can be a locking cap nut, or a drop of thread locking compound can be applied to hold the nut in place. A guide sleeve 8, is slipped over the shaft 1, between the drill chuck and the roller cover support 4, to serve as a means to be grasped by the users hand to guide and support the shaft 1 . In the modified form of the invention shown in Fig. 4, a collar 10, is held in place by a set screw 11, and an "O" ring 9, are used in place of the "ears" 3, and washer 6, to form the "protuberance" . Thus the roller cover support can be easily be exchanged for one of a different length so the tool can be used with paint rollers of different lengths; i.e. , the commonly used 4, 7, and 9 inch sizes as well as other sizes. A guide sleeve 11, is loosely slipped over the shaft 1, between the drill chuck and the roller cover support means 4, to serve as a means to be grasped by the users hand to support and guide the shaft 1, during use. the sleeve 11, is held in place by an "O" ring 12 .

In use, the roller to be cleaned is placed on the shaft and chucked into an electric hand drill. the roller is now inserted into the open end of a paper bag, box or pail, the drill is actuated and the paint is spun out of the roller in seconds. the roller is then soaked in solvent and flushed clean while spinning dry in seconds.